

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122419\
 Data File : VY001036.D
 Acq On : 24 Dec 2019 10:23
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/26/2019 12:29:55 PM

Quant Time: Dec 25 03:35:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	321098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	556969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	499262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	225346	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	157303	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.73	113	164039	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.18	98	689329	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.48	95	224970	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	143388	51.247	ug/l	99
3) Chloromethane	2.11	50	192966	50.673	ug/l	96
4) Vinyl Chloride	2.26	62	193584	52.346	ug/l	100
5) Bromomethane	2.65	94	121419	52.596	ug/l	96
6) Chloroethane	2.80	64	120592	52.355	ug/l	92
7) Trichlorofluoromethane	3.13	101	277572	51.173	ug/l	96
8) Diethyl Ether	3.54	74	113119	51.089	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	182882	51.327	ug/l	96
10) Methyl Iodide	4.10	142	258355	52.481	ug/l	99
11) Tert butyl alcohol	4.96	59	79703	228.892	ug/l	100
12) 1,1-Dichloroethene	3.88	96	188834	52.348	ug/l	98
13) Acrolein	3.74	56	106301	246.383	ug/l	99
14) Allyl chloride	4.49	41	292867	52.262	ug/l	99
15) Acrylonitrile	5.17	53	282663	255.439	ug/l	99
16) Acetone	3.96	43	153838	210.860	ug/l	94
17) Carbon Disulfide	4.20	76	618163	52.442	ug/l	97
18) Methyl Acetate	4.48	43	136121	48.631	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	477260	51.261	ug/l	98
20) Methylene Chloride	4.72	84	211531	49.259	ug/l	94
21) trans-1,2-Dichloroethene	5.22	96	210589	52.676	ug/l	95
22) Diisopropyl ether	6.13	45	578974	51.115	ug/l	98
23) Vinyl Acetate	6.07	43	1834755	256.485	ug/l	99
24) 1,1-Dichloroethane	6.02	63	345045	51.548	ug/l	96
25) 2-Butanone	7.00	43	310503	242.264	ug/l	99
26) 2,2-Dichloropropane	6.99	77	287332	52.248	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	229591	52.273	ug/l	99
28) Bromochloromethane	7.34	49	139393	53.372	ug/l	98
29) Tetrahydrofuran	7.36	42	222449	243.997	ug/l	99
30) Chloroform	7.52	83	327160	51.689	ug/l	99
31) Cyclohexane	7.79	56	348088	49.454	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	277437	51.384	ug/l	99
36) 1,1-Dichloropropene	7.92	75	279828	52.664	ug/l	99
37) Ethyl Acetate	7.08	43	145534	49.466	ug/l	99
38) Carbon Tetrachloride	7.91	117	245071	52.643	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	378080	53.582	ug/l	98
40) Benzene	8.17	78	839519	52.372	ug/l	98
41) Methacrylonitrile	7.32	41	71734m	56.237	ug/l	
42) 1,2-Dichloroethane	8.24	62	199617	52.086	ug/l	100
43) Isopropyl Acetate	8.28	43	273075	50.139	ug/l	99
44) Trichloroethene	8.94	130	219721	52.023	ug/l	99
45) 1,2-Dichloropropane	9.22	63	207567	51.616	ug/l	99
46) Dibromomethane	9.31	93	107290	51.757	ug/l	98
47) Bromodichloromethane	9.50	83	247129	51.466	ug/l	95
48) Methyl methacrylate	9.30	41	122632	52.764	ug/l	99
49) 1,4-Dioxane	9.30	88	30524	1006.592	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	714114	251.564	ug/l	99
52) Toluene	10.24	92	516353	52.335	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	275858	52.935	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	332128	53.002	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	159719	51.610	ug/l	96
56) Ethyl methacrylate	10.51	69	230353	52.300	ug/l	100
57) 1,3-Dichloropropane	10.79	76	281999	51.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	400390	235.360	ug/l	99
59) 2-Hexanone	10.83	43	504219	256.703	ug/l	100
60) Dibromochloromethane	10.99	129	174674	52.840	ug/l	100
61) 1,2-Dibromoethane	11.09	107	156363	52.837	ug/l	99
64) Tetrachloroethene	10.72	164	224490	51.968	ug/l	99
65) Chlorobenzene	11.52	112	538141	51.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	181229	53.028	ug/l	99
67) Ethyl Benzene	11.59	91	982510	52.745	ug/l	99
68) m/p-Xylenes	11.70	106	746174	105.499	ug/l	100
69) o-Xylene	12.03	106	353648	53.149	ug/l	99
70) Styrene	12.04	104	606608	53.616	ug/l	99
71) Bromoform	12.20	173	101929	53.563	ug/l #	99
73) Isopropylbenzene	12.33	105	937260	53.747	ug/l	99
74) N-amyl acetate	12.14	43	233682	51.009	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	182433	53.105	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	123415m	44.425	ug/l	
77) Bromobenzene	12.61	156	209603	53.443	ug/l	98
78) n-propylbenzene	12.67	91	1147827	54.019	ug/l	100
79) 2-Chlorotoluene	12.75	91	619903	52.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	768853	53.788	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70764	54.327	ug/l	96
82) 4-Chlorotoluene	12.85	91	640732	52.570	ug/l	99
83) tert-Butylbenzene	13.07	119	652308	54.364	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	767776	53.452	ug/l	99
85) sec-Butylbenzene	13.25	105	956359	54.065	ug/l	99
86) p-Isopropyltoluene	13.37	119	830534	54.261	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	401540	53.308	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	401670	52.861	ug/l	99
89) n-Butylbenzene	13.69	91	834857	54.212	ug/l	99
90) Hexachloroethane	13.95	117	156015	54.102	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	367117	52.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	29777	51.808	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	249098	53.113	ug/l	99
94) Hexachlorobutadiene	15.11	225	118358	53.033	ug/l	99
95) Naphthalene	15.23	128	580192	52.604	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	220640	52.753	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

